

**REPLACEMENT CLAIMS**

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1. (Twice Amended) A process for reducing content of sulphur compounds and polycyclic aromatic hydrocarbons in a hydrocarbon feed stock having a boiling range between 200°C and 600°C, which process comprises the steps of:

(a) contacting the feed stock with hydrogen over a hydrotreating catalyst in a hydrotreating zone at conditions being effective for hydrotreating and obtaining a hydrotreated effluent comprising hydrotreated feed stock, hydrogen sulphide and hydrogen;

(b) cooling the hydrotreated effluent;

(c) contacting the hydrotreated effluent with a hydrotreating catalyst at conditions being effective for conversion of polycyclic aromatic hydrocarbons to monoaromatic compounds; and

(d) introducing the hydrotreated effluent from step (c) into an FCC unit for producing gasoline.